

**AMENDMENTS TO THE SPECIFICATION**

Please amendment paragraph [035] in the specification as follows:

**[035]** The method 70 commences at block 72 with the activation of the generator 10, for example by the assertion of an enable signal 90 illustrated in **Figure 1**. At block 74, where the generator 10 is capable of generating multiple patterns, a pattern to be generated by the generator 10 is selected utilizing, for example, the pattern select signal 14. As described above, the pattern select signal 14 provides input to the data input register block 12. At block 76, the pattern selection signal 14 is clocked through the buffer register 20 on a first clock signal. The pattern selection register 22 may store an indication of a previously selected pattern. The buffer register 20 and the pattern selection register 22 both provide input to the pattern change detector 24, thus allowing the detector 24 to detect a change in pattern selection. Responsive to a detection of a change in pattern selection, the pattern change detector 24 asserts a change pattern signal 26, which then operates to reset to the pattern generation state machine 30.